Election Systems & Software

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MAINTAINING VOTER CONFIDENCE.
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October 30, 2007

Mr. John Gardner, HAVA
Elections Division
Secretary of State's Office
1700 Broadway, Suite 270
Denver, CO 80290

Dear Mr. Gardner:

Included with this letter you will find our responses to the open issues listed in your September 24, 2007 report for the Election Systems and Software (ES&S) Unity 3.0.1.1 Amendment A election management suite. Our responses include requests for retesting, assurance of compliance, areas where we are partially compliant, accompanying documentation, and at least one item where further clarification is requested.

ES&S would also like to officially withdraw application for the Data Acquisition Manager (DAM) software module and the Ballot on Demand (BOD) software module from this certification examination. The removal of these components have been previously discussed during the certification event, and ES&S would like to take all administrative steps required in order to exclude them from the state's analysis of the system. DAM is the responsible software for managing the modeming of results from the M100 and iVotronic. ES&S is no longer seeking certification for the modeming of unofficial results with these systems. This is also reflected in several of our responses in the included spreadsheet, regarding requirements for telecommunication. BOD is the software which allows a user to print ballots styles at the polling location. ES&S is no longer seeking certification of this functionality. With the removal of these components, the remaining components which ES&S is seeking certification are as follows:

Software
Election Data Manager, v. 7.4.4.0
ES&S Image Manager, v. 7.4.2.0
Hardware Programming Manager, v. 5.2.4.0
Election Reporting Manager, v. 7.1.2.1
Audit Manager, v. 7.3.0.0
iVotronic Image Manager, v. 2.0.1.0

Firmware
iVotronic, v 9.1.6.2 - 15" Supervisor Terminal
iVotronic, v 9.1.6.2 - 15" Non ADA Voter Terminal and attached RTAL printer
iVotronic, v 9.1.6.2 - 15" ADA Voter Terminal with 4 button audio and attached RTAL printer
M100 OMR Precinct Counter, v. 5.2.1.0
Optional Auxiliary Equipment: Metal Ballot Box
M650 Central Count Ballot Tabulator (Green Light), v. 2.1.0.0
Compact Flash Multi-Card Reader/Writer, v. 9.1.0.0 (Gang Burner)
Seiko Stand Alone Printer

AutoMARK/AIMS
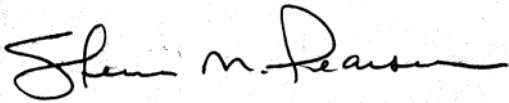AutoMARK Information Management System (AIMS), v. 1.2.18
AutoMARK Voter Assist Terminal (VAT), v. 1.1.2258

All references to additional documentation in the ES&S response spreadsheet are included with this letter on the enclosed CD. This set of documentation is TDP Revision 3, following the numbering convention for all submitted documentation throughout this process. Following are the items included on the CD:

- CO 3011A Open Issues.xls
- Evidence of Escrow for Unity 3.0.1.1 A and AutoMARK v1.1, Iron Mountain Exhibit B
- Security Documentation
    - System Security Specifications, SystemSecuritySpec v. 4.0.0.0_08.03.2007.pdf
    - System Hardening Procedures, Best Practices Security.pdf
- ES&S iVotronic Hardware Specifications
    - iVotronic Battery Specifications
    - iVotronic Memory Chip Specifications
    - iVotronic Touch Screen Specifications
    - iVotronic ADA Button Switch Specifications
    - SanDisk CompactFlash memory Card Product Manual

We look forward to providing any assistance required to you and your staff. ES&S would like to suggest a call at your earliest convenience to review our responses and determine the dates to resume the remaining functional testing.

Sincerely,

Steve M. Pearson
Vice President, Certification

cc: Pam Anderson, Jefferson County Colorado, Clerk & Recorder
        Janice Rich, Mesa County Colorado, Clerk & Recorder
        Kevin Kerrigan, ES&S

Attachment: CO 3011A Open Issues.xls

Enclosures: CD